

## IGSF8 Protein, Mouse, Recombinant (His)

### General Information

|                       |                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Synonyms:             | R75384;KCT-4;AU041109;immunoglobulin superfamily, member 8;AA033172;ESTM34;PGRL;EWI-2                                                              |
| Protein Construction: | A DNA sequence encoding the mouse IGSF8 (AAH48387.1) (Met1-Thr577) was expressed with a C-terminal polyhistidine tag. Predicted N terminal: Arg 26 |
| Species:              | Mouse                                                                                                                                              |
| Expression Host:      | HEK293 Cells                                                                                                                                       |
| Accession:            | Q8R366                                                                                                                                             |
| Molecular Weight:     | 60.2 kDa (predicted); 66 kDa (reducing condition, due to glycosylation)                                                                            |

### QC Testing

|                      |                                                                                                                                                                                                                                      |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Biological Activity: | Activity testing is in progress. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.                                             |
| Purity:              | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                     |
| Endotoxin:           | < 1.0 EU/μg of the protein as determined by the LAL method.                                                                                                                                                                          |
| Formulation:         | Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization. |

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

#### Shipping:

In general, Lyophilized powders are shipping with blue ice.

### Reference

Glazar AI, et al. (2009) Immunoglobulin superfamily member IgSF8 (EWI-2) and CD9 in fertilisation: evidence of distinct functions for CD9 and a CD9-associated protein in mammalian sperm-egg interaction. *Reprod Fertil Dev.* 21(2): 293-303.

Murdoch JN, et al. (2003) Genomic organization and embryonic expression of Igsf8, an immunoglobulin superfamily member implicated in development of the nervous system and organ epithelia. *Mol Cell Neurosci.* 22(1): 62-74.

Zhang XA, et al. (2003) EWI2/PGRL associates with the metastasis suppressor KAI1/CD82 and inhibits the migration of prostate cancer cells. *Cancer Res.* 63 (10): 2665-74.

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